Service Schematics



RH-99/100

Introduction

Important:

This document is intended for use by authorized service centers only.

“Service Schematics“ was created with focus on customer care.
The purpose of this document is to provide further technical repair information for NOKIA mobile phones on Level 3/4 service activities.
It contains additional information such as e.g. “Component finder”.

Saving process time and improving the repair quality is the aim of this document.
It is to be used additionaly to the service manual and other training or service information such as Service Bulletins.

While every endeavour has been made to ensure the accuracy of this document, some errors may exist. If the reader finds any errors, NOKIA should be notified in writing.

Please send E-Mail to: **TrainingAndVendor.Development@nokia.com**

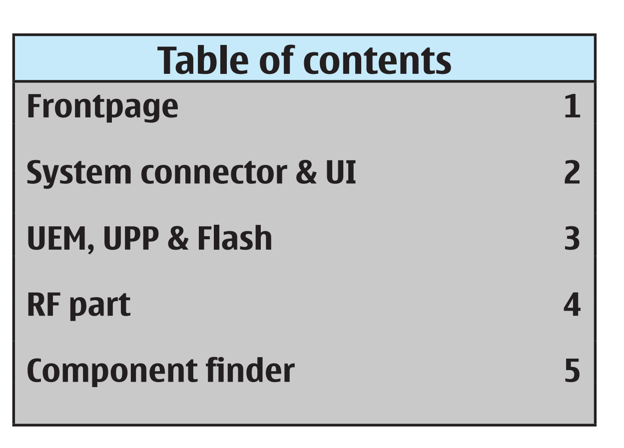
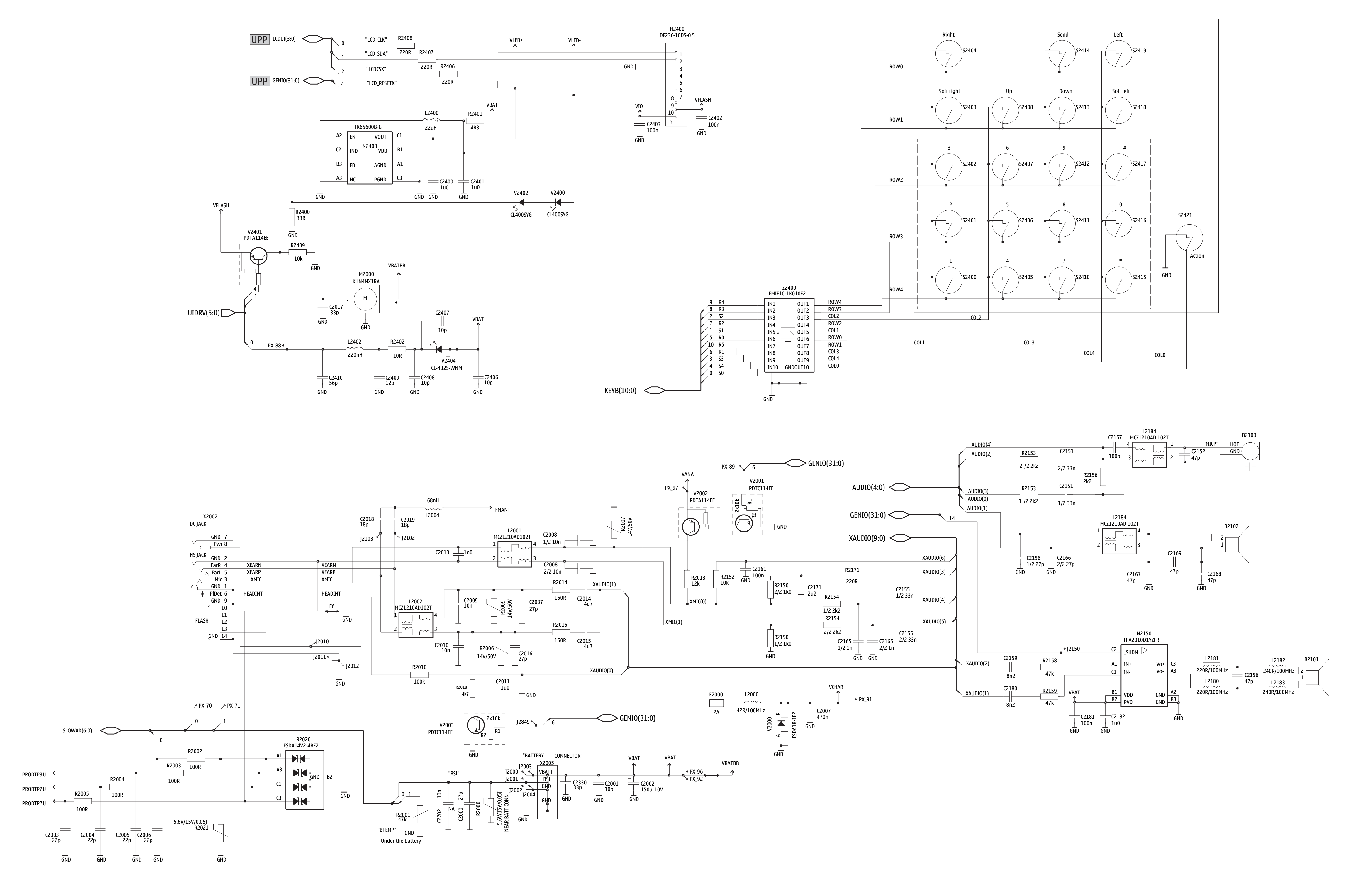
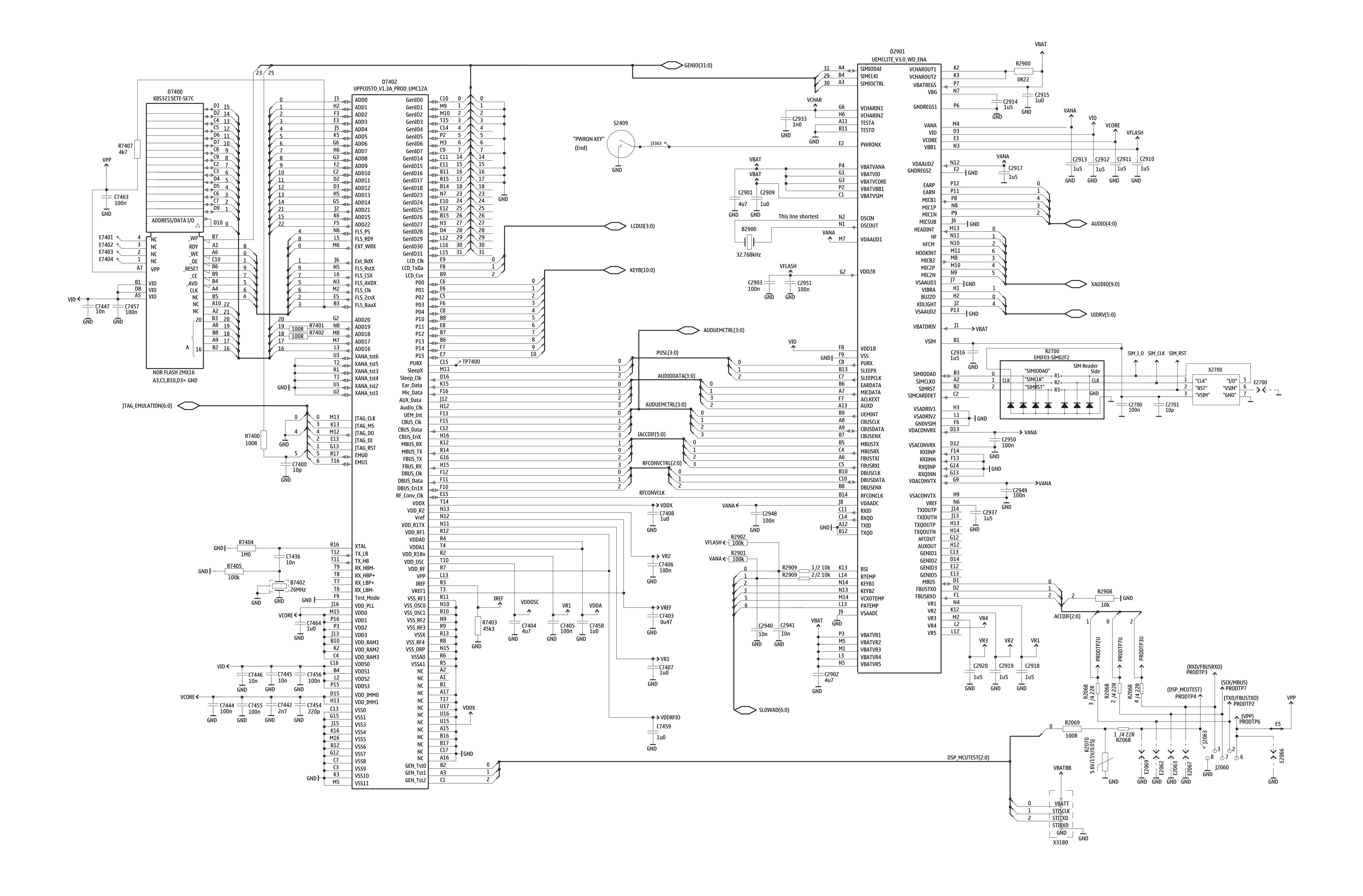
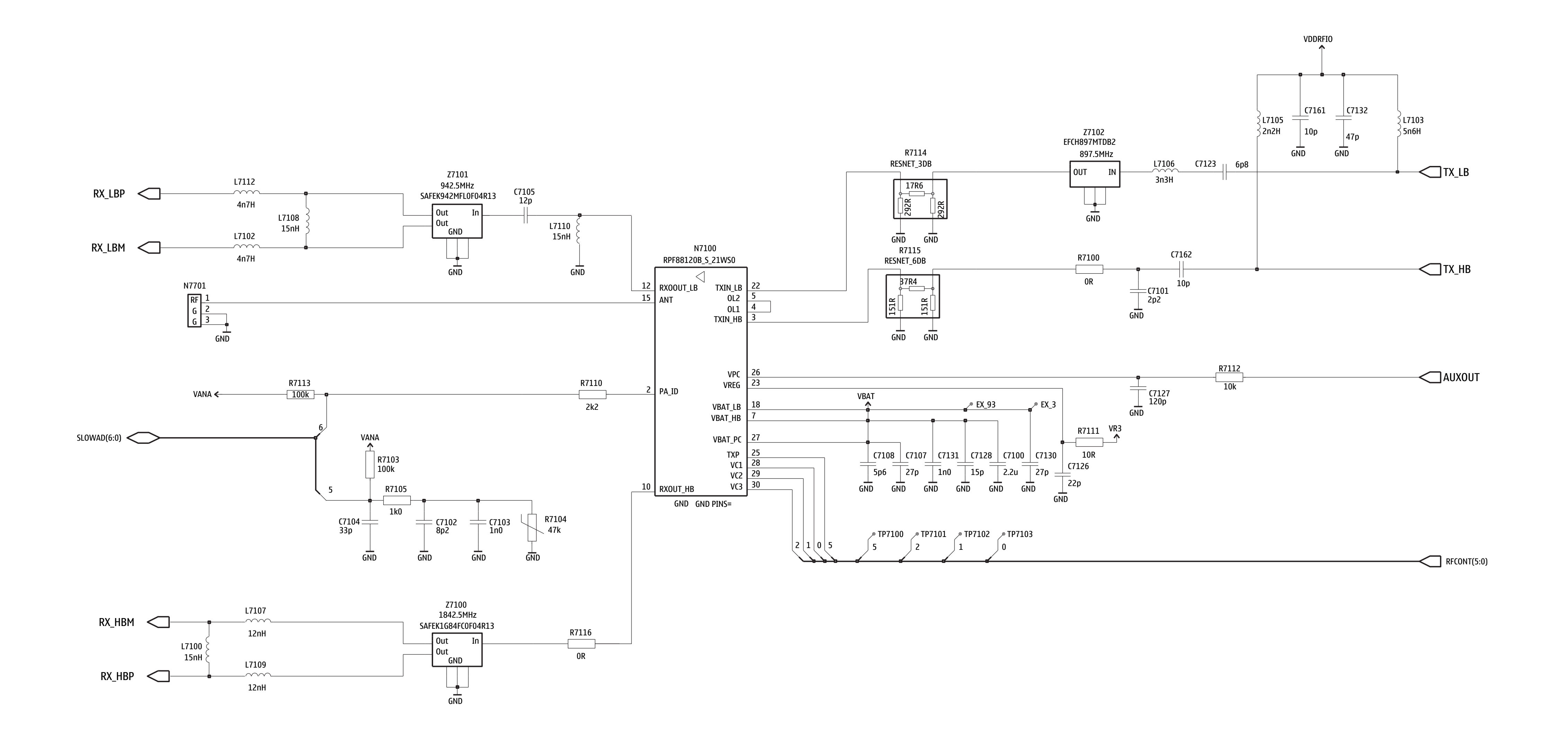


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UPP
LCDUI(3:0)
GENIO(31:0)
"LCD_CLK"
"LCD_SDA"
"LCDCSX"
"LCD_RESETX"
R2408 220R
R2407 220R
R2406 220R
VLED+
VLED-
H2400
DF23C-10DS-0.5
GND
VIO
C2403 100n
VFLASH
C2402 100n
L2400 22uH
R2401 4R3
VBAT
TK65600B-G
N2400
EN
IND
FB
NC
VOUT
VDD
AGND
PGND
C2400 1u0
C2401 1u0
V2402 CL400SYG
V2400 CL400SYG
R2400 33R
V2401 PDTA114EE
R2409 10k
M2000 KHN4NX1RA
VBATBB
UIDRV(5:0)
C2017 33p
PX_88
L2402 220nH
R2402 10R
C2407 10p
V2404 CL-432S-WNM
C2410 56p
C2409 12p
C2408 10p
C2406 10p
Right
Send
Left
Soft right
Up
Down
Soft left
ROW0
ROW1
ROW2
ROW3
ROW4
COL0
COL1
COL2
COL3
COL4
Action
S2421
Z2400
EMIF10-1K010F2
KEYB(10:0)
X2002
DC JACK
HS JACK
FLASH
XEARN
XEARP
XMIC
HEADINT
L2001 MCZ1210AD102T
L2002 MCZ1210AD102T
68nH L2004
FMANT
R2007 14V/50V
VANA
V2002 PDTA114EE
V2001 PDTC114EE
PX_97
PX_89
GENIO(31:0)
AUDIO(4:0)
XAUDIO(9:0)
L2184 MCZ1210AD 102T
B2100
"MICP"
B2102
N2150
TPA2010D1YZFR
B2101
L2181 220R/100MHz
L2180 220R/100MHz
L2182 240R/100MHz
L2183 240R/100MHz
R2010 100k
XAUDIO(0)
F2000 2A
L2000 42R/100MHz
VCHAR
PX_91
V2000
ESDA18-1F2
C2007 470n
V2003 PDTC114EE
J2849
SLOWAD(6:0)
PX_70
PX_71
R2020
ESDA14V2-4BF2
PRODTP3U
PRODTP2U
PRODTP7U
R2002 100R
R2003 100R
R2004 100R
R2005 100R
R2021 5.6V/15V/0.05J
"BSI"
"BTEMP"
Under the battery
R2001 47k
"BATTERY CONNECTOR"
X2005
VBATT
BSI
GND
NEAR BATT CONN
C2330 33p
C2001 10p
C2002 150u_10V
VBATBB
PX_96
PX_92


D7400
K8S3215ETE-SE7C
NOR FLASH 2MX16
A3,C1,B10,D3= GND
ADDRESS/DATA I/O
D7402
UPPCOSTO_V1.3A_PROD_UMC12A
D2901
UEMCLITE_V3.0_WD_ENA
GENIO(31:0)
LCDUI(3:0)
KEYB(10:0)
AUDUEMCTRL(3:0)
PUSL(3:0)
AUDIODATA(3:0)
IACCDIF(5:0)
RFCONVCTRL(2:0)
RFCONVCLK
JTAG_EMULATION(6:0)
AUDIO(4:0)
XAUDIO(9:0)
UIDRV(5:0)
SLOWAD(6:0)
ACCDIF(2:0)
DSP_MCUTEST(2:0)
S2409
"PWRON KEY"
(End)
B2900
32.768kHz
This line shortest
B7402
26MHz
R2700
EMIF03-SIM02F2
SIM Reader Side
X2700
X3180
J2060
E2700



B		C2918	M4	L2183	F8	R7105	L3
B2900	L4	C2919	L6	L2184	G7	R7110	L3
B7402	K6	C2920	L3	L2400	N3	R7111	J1
C		C2933	L3	L2402	O3	R7112	K1
C2000	G3	C2937	M5	L7100	J5	R7113	L3
C2001	H2	C2940	L6	L7102	I5	R7114	J4
C2002	G4	C2941	M6	L7103	K5	R7115	J4
C2003	Q7	C2948	M5	L7105	J5	R7116	J4
C2004	R8	C2949	L6	L7106	K4	R7400	K5
C2005	Q7	C2950	K5	L7107	J5	R7401	I6
C2006	Q7	C2951	L3	L7108	I5	R7402	I5
C2007	S7	C7100	I3	L7109	J5	R7403	I5
C2008	R4	C7102	I1	L7110	I4	R7404	K6
C2009	O5	C7103	I1	L7112	J5	R7405	K6
C2010	O6	C7104	L3	**M**		R7407	M7
C2011	S5	C7105	I4	M2000	G6	**V**	
C2013	R5	C7107	K2	N		V2000	S7
C2014	N5	C7108	K2	N2150	O5	V2001	P4
C2015	N6	C7123	K4	N2400	O3	V2002	P4
C2016	O6	C7126	J1	N7100	J2	V2003	P3
C2017	G5	C7127	J1	**R**		V2400	S6
C2018	P6	C7128	I3	R2000	G3	V2401	O4
C2019	P6	C7130	I1	R2001	Q3	V2402	S4
C2037	O6	C7131	I3	R2002	R7	V2404	B5
C2151	O4	C7132	K5	R2003	Q7	**X**	
C2152	S2	C7161	K5	R2004	R7	X2002	T5
C2154	N5	C7162	J5	R2005	Q7	X2005	G3
C2155	N5	C7400	K5	R2006	O6	X2700	Q4
C2156	F8	C7403	I5	R2007	R4	**Z**	
C2157	O4	C7404	J5	R2009	O5	Z2400	O7
C2159	O5	C7405	I5	R2010	S5	Z7100	J4
C2161	N5	C7406	K4	R2013	O5	Z7101	I4
C2165	N5	C7407	K6	R2014	O5	Z7102	K4
C2166	N6	C7408	K5	R2015	O6		
C2167	E8	C7436	K6	R2018	P5		
C2168	E8	C7442	J8	R2020	R7		
C2169	E8	C7444	I8	R2021	S5		
C2171	N5	C7445	K7	R2068	Q3		
C2180	O5	C7446	K8	R2069	Q3		
C2181	O5	C7447	J8	R2070	Q3		
C2182	O5	C7454	I6	R2150	N5		
C2330	H2	C7455	J8	R2152	N5		
C2400	O4	C7456	I7	R2153	N4		
C2401	N4	C7457	I6	R2154	O5		
C2402	N8	C7458	I5	R2156	O4		
C2403	N8	C7459	K5	R2158	O5		
C2406	B4	C7463	M7	R2159	O5		
C2407	B4	C7464	I8	R2171	N5		
C2408	B4	**D**		R2400	O3		
C2409	O3	D2901	L5	R2401	N4		
C2410	O3	D7400	L7	R2402	B4		
C2700	R3	D7402	J6	R2405	N6		
C2701	R4	**F**		R2406	N6		
C2901	M3	F2000	S7	R2407	N6		
C2902	M3	**H**		R2408	M6		
C2903	M6	H2400	N7	R2409	O4		
C2909	L3	**L**		R2700	P3		
C2910	L3	L2000	S7	R2900	M3		
C2911	K4	L2001	R5	R2901	L6		
C2912	K5	L2002	O6	R2902	M6		
C2913	M5	L2004	P6	R2908	L3		
C2914	M5	L2171	S2	R2909	M6		
C2915	M4	L2180	O5	R7100	J5		
C2916	K4	L2181	P5	R7103	L3		
C2917	M6	L2182	F8	R7104	J1		